



**City of Seattle**  
**Department of Planning and Development**  
 700 Fifth Ave., Ste. 2000, P.O. Box 34019  
 Seattle, WA 98124-4019  
 Phone: (206) 684-8464 Fax: (206) 684-8113  
[www.seattle.gov/dpd](http://www.seattle.gov/dpd)

## ***REQUIREMENTS FOR LOW VOLTAGE WIRING SYSTEMS***

### **One- and Two-Family Dwellings**

<b>Type of System</b>	<b>Is a Permit Required?</b>	<b>Additional Information</b>
Security System	Required	Permit is necessary only if hard-wired
Fire Alarm	Required	No permit for battery-only operated devices such as detectors. May be on permit for other work.
Smart house or energy management systems	Required	
Lighting-Indoor	Required	NEC 411 applies
Lighting control systems	Required	Radio signal systems would be exempt
Telephone, data, modem, Telecommunications, Cable TV, Audio controls & speakers	Not Required	If less than 1,000 feet of cable or 10 devices, then exempt
	Required	Installations of $\geq 1,000$ feet of cable or 10 or more devices require a permit for the entire installation.
Irrigation Controls	Not Required	
Lighting-Outdoor	Not Required	If connected to listed plug-in controller or transformer
Door bells, garage door openers, T-stats, central vacuum systems	Not Required	
Class 2 and Class 3 systems that are separated from line voltage wiring at a power source or controller such as Intercoms & Entrance Controls	Not Required	If less than 1,000 feet of cable or 10 devices, then exempt
	Required	Installations of $\geq 1,000$ feet of cable or 10 or more devices require a permit for the entire installation.

# **REQUIREMENTS FOR LOW VOLTAGE WIRING SYSTEMS**

## **Multi-Family Dwellings**

<b>Type of System</b>	<b>Is a Permit Required?</b>	<b>Additional Information</b>
Security System	Required	
Fire Alarm	Required	Non-required systems also need a permit
Customer-Owned Telephone, data, modem, and other communication systems	Not Required	If less than 1,000 feet of cable or 10 devices, then exempt;
	Required	Installations of $\geq 1,000$ feet of cable or 10 or more devices require a permit for the entire installation.
Utility-Owned Telephone & data cabling	Not Required	The utility may install interface or line to each individual unit, further wiring requires a permit over the 1000 feet guideline
Central Energy Management & HVAC controls	Required	Includes T-stats & controls in individual units
Cable TV	Not Required	If less than 1,000 feet of cable or 10 devices, then exempt;
	Required	Installations of $\geq 1,000$ feet of cable or 10 or more devices require a permit for the entire installation.
Irrigation system controls	Required	
Lighting-Outdoor	Required	
Lighting-Indoor	Required	
Lighting control systems	Required	Radio signal systems are exempt
Intercom, Entrance Controls, Audio or any other system that involves the entire bldg.	Required	Systems contained in individual units are exempt
Smart house or energy management systems	Required	
Garage door opener & parking garage entry controls	Not Required	If included under line-voltage permit
	Required	If <u>not</u> included under line voltage permit
T-stats for stand alone units	Not Required	If the complete HVAC is contained in the individual unit

# **REQUIREMENTS FOR LOW VOLTAGE WIRING SYSTEMS**

## **Commercial & Industrial**

<b>Type of System</b>	<b>Is a Permit Required?</b>	<b>Additional Information</b>
Customer-Owned Telephone, data, modem, and other communication systems	Not Required	If less than 1,000 feet of cable or 10 devices, then exempt;
	Required	Installations of $\geq$ 1,000 feet of cable or 10 or more devices require a permit for the entire installation.
Utility-Owned Telephone & data cabling	Not Required	The utility may install interface or line to each individual unit, further wiring requires a permit over the 1000 feet guideline
Fiber Optic Communications cabling $>$ or $=$ 1,000' or 10 devices	Required	First 50' of cable entering a bldg. is exempt
All wiring in space under exclusive control of a communications utility	Not Required	Utility will provide documentation that verifies they are authorized as a utility by the Washington Utilities and Transportation Commission
Energy management & HVAC controls	Required	
Cable TV	Not Required	If less than 1,000 feet of cable or 10 devices, then exempt;
	Required	Installations of $\geq$ 1,000 feet of cable or 10 or more devices require a permit for the entire installation.
Irrigation system controls	Required	
Lighting-Outdoor	Required	
Lighting-Indoor	Required	
Lighting controls	Required	
Audio Systems	Required	Exempt if small system going in an office, store or etc. & no speakers are being installed in a <u>suspended ceiling</u>
Security System	Required	
Fire Alarm	Required	Non-required systems also need a permit; Less than 6 devices & no control panel may be done on permit with other electrical work
Fire Sprinkler Controls	Required	
Card Reader &/or building or space entrance control systems	Required	
Garage door opener & parking garage entry controls	Not Required	If included under line-voltage permit
	Required	If not included under line voltage permit